

PHENIX WEEKLY PLANNING

11/2/06

Don Lynch

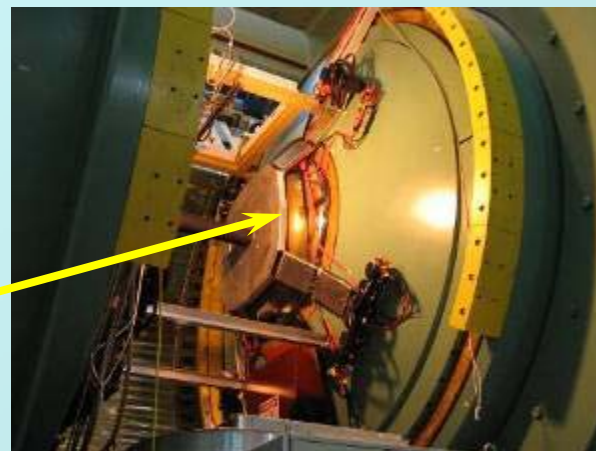
Ready for Commissioning

New Detectors

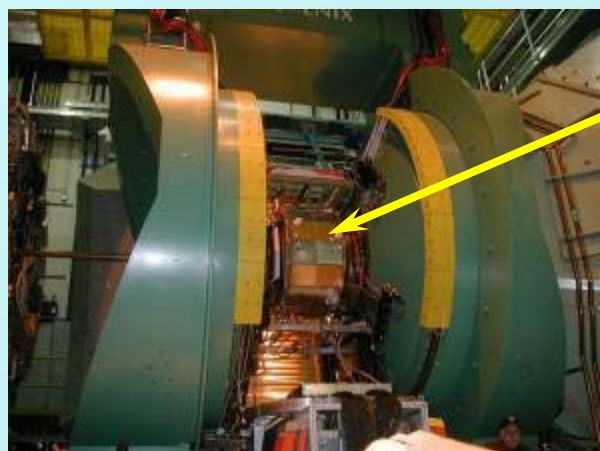
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TOF West



RXNP



HBD



MPC North

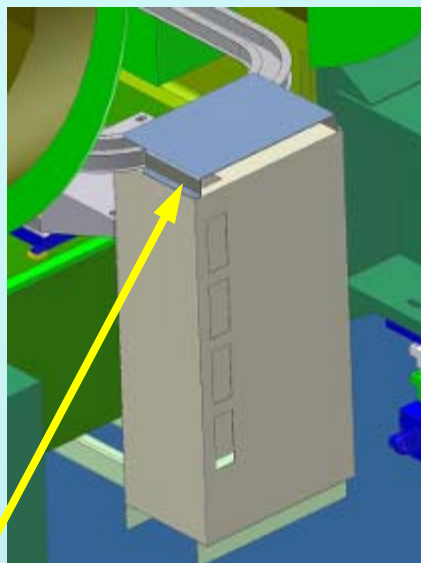
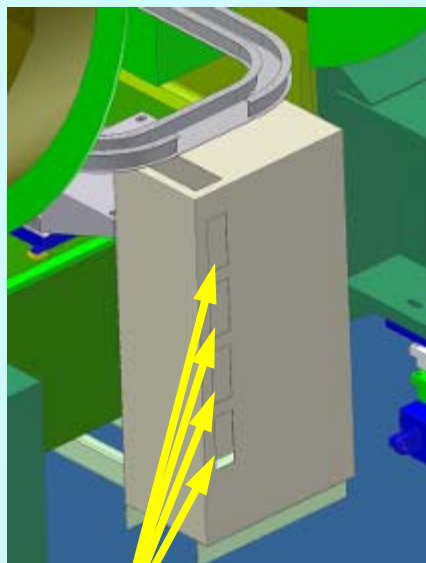
New Detectors Services

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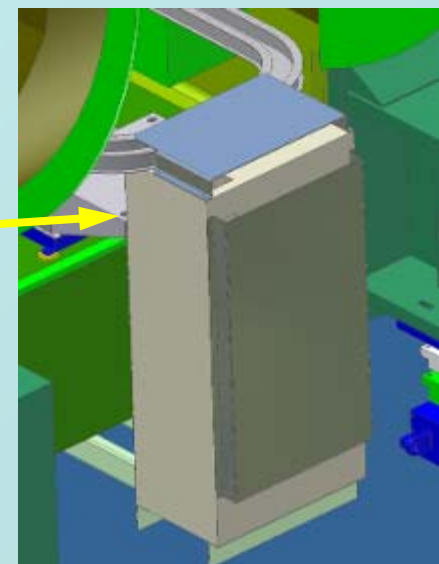
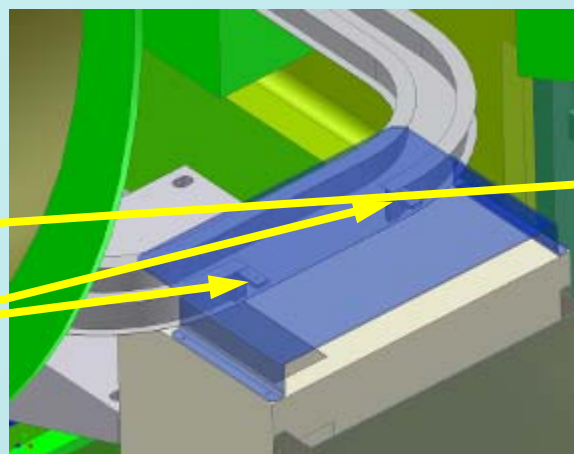
HBD Signal Rack

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Cutouts Done
Cable Cover waiting for material

"Chimney" Done
Mounting Brackets Done



11/2/06

Weekly Planning Meeting

HBD (Hadron Blow Drier)

Electronics Cooling

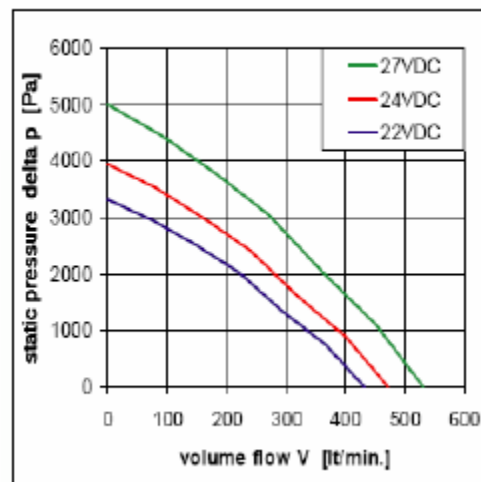


Order delayed Again ! ?

Still Needed for Approval to Operate:

- Where will fan(s) be mounted? - *CM base "cubby hole"* fan model and specs to be forwarded to Safety
- Written design and operation description and- *To be forwarded to Safety*
- Order for 5 blowers & drivers (4 +1 spare) is in the works

U51DX-024KK-5 24VDC



Blower requirements:

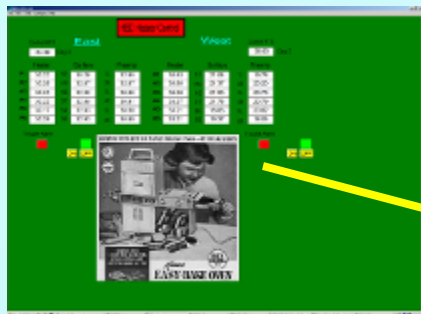
5 cfm (142 l/min)

@ 5 in WC (1245 Pa)

HBD "EBO" Heaters

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Initial Start up complete !!



Subsystem Maintenance & Repairs

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- EMCal West & East Done
- DC HV/LV patch panel upgrade & wire repair Done
- MPC South repaired
- BBC South & North repairs done
- MuTr grounding problems Fixed
- MuTr North and South HV/FEE troubleshooting ~ Done..Dry air distribution balancing ongoing
- RICH light leak ~
- PC HV module/cable maintenance done
- TEC upgrades done
- MuID survey/commissioning later this month



CAD/RHIC PHENIX infrastucture related
mechanical and electrical support

Roof leak repairs

MuID survey

LN2 Tank markings

Door Latch maintenance for security

EC roll in support

Run 7 prep support



Infrastructure Work

?

Nov 06

Done

Requested

Nov. 1

Nov-Dec



Remaining Schedule

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	Start	Complete
TOF West, RXNP, MPC N		
Electronics Installation/Commissioning	in progress	11/30/06
HBD		
HBD drying heater system commissioning	10/25/06	11/15/06
HBD preamp cooling system (temporary LN2 system in-place)	10/1/06	11/15/06
Electronics Installation/Commissioning	11/1/06	11/30/06
MuID survey	10/23/06	11/30/06
MuID commissioning	12/11/06	12/18/06

Remaining Schedule (cont'd)

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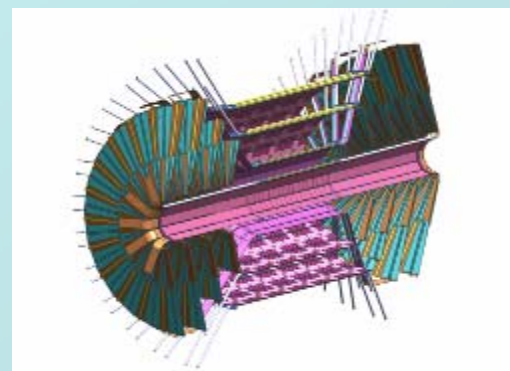
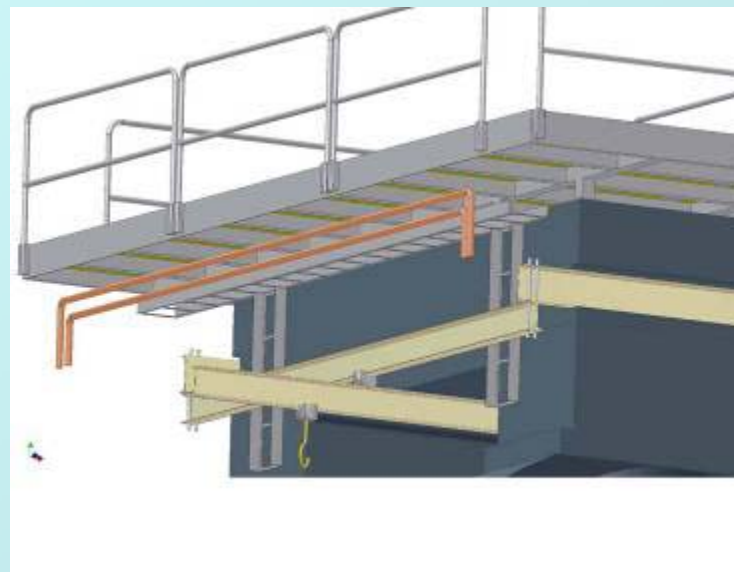
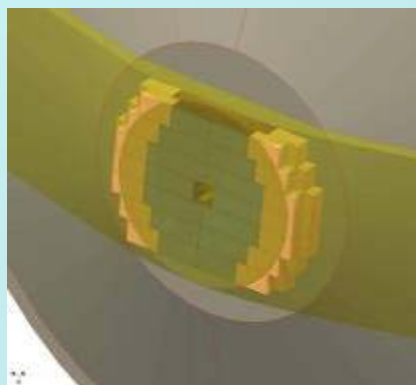
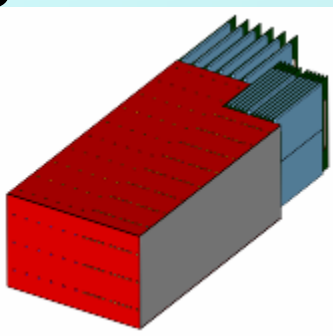
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	Start	Complete
East carriage roll in & setup		
Prepare IR & EC for move to IR/move cart, manlifts, collars	1-Nov	3-Nov
EC Roll in	6-Nov	6-Nov
Connect EC services	6-Nov	10-Nov
Install EC Ladder	13-Nov	14-Nov
Install EC rear access & ext.	15-Nov	17-Nov
Pink Sheeting & Blue Sheeting	13-Nov	1-Dec
Move MMS full North/Install beam pipe collar	20-Nov	21-Nov
Rebuild Rolling door	27-Nov	30-Nov
RHIC Cooldown Begins	1-Dec	1-Dec
Close rolling door	1-Dec	1-Dec
Start Flammable Gas Flow	5-Dec	5-Dec
All Up Commissioning	5-Dec	18-Dec
Beam in yellow ring	18-Dec	18-Dec
Beam in blue ring	25-Dec	25-Dec
RHIC beam conditioning	25-Dec	31-Dec
Shutdown Concluded/Start of Physics Run	1-Jan	1-Jan

What's up for next year and beyond

- New CM Crane
- New Beam pipe design
- Muon RPC trigger design
- VTX/FVTX design
- NCC design
- MuTr upgrade ?
- Infrastructure improvements



SEU Test

John Lajoie Iowa State

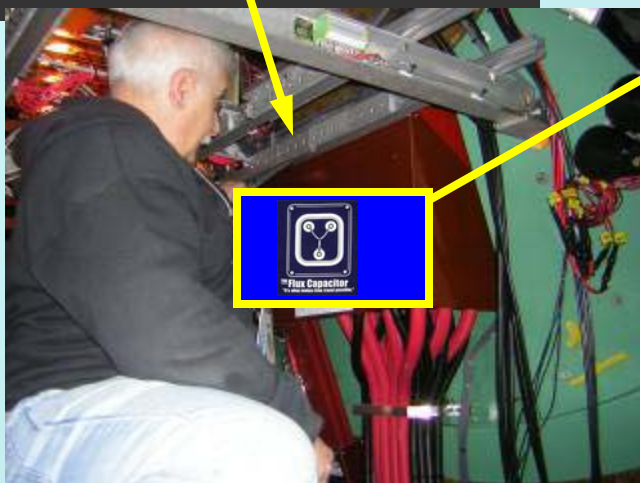
Experimental Impact Statement

- The box dimensions are: 17" x 10" x 3.5".
- The only services required by the box in order to function are AC power and a Cat5 cable connected to the USB interface.
- The FPGA devices will be programmed and monitored over an external USB connection, which is run over a USB -> Cat5 extender box. This extender has a maximum range of 150 feet of Cat5 cable, which should be sufficient to reach from the PHENIX IR to the rack room, where it will connect to a laptop containing the analysis and configuration software. (The laptop will require network access, and will comply fully with all BNL cybersecurity requirements.)
- Because SEU events are relatively rare, it would be best to expose the apparatus to as high a particle flux as possible. However, the box represents a substantial amount of material and it would be unacceptable to place the box within the acceptance of the central arms. Placement within one of the muon arms, near or on the central magnet pole, would be optimal.

SEU Test

John Lajoie Iowa State

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Current proposed location for test box. To be oriented with long side of box perpendicular to ebeam orbit direction (z).

Next Week

- EC Roll in
- PHENIX Annual Safety Review
- HBD, TOF W, RXNP, MPC N electronics commissioning
- HBD signal rack chimney
- HBD & TOF W mixing house gas control systems
- MuID survey ?



Where To Find PHENIX Technical Info



Links for the weekly planning meeting slides, long term planning, pictures, videos and other technical info can be found on the web site:

http://www.phenix.bnl.gov/WWW/INTEGRATION/ME&Integration/DRL_SSint-page.htm